

WHAT IS CLAIMED IS:

1. A tape supplier comprising:
a tape cassette 156 having a tape roll 140 with
tapes 132a, 132b,... inserted between two sheets 127a and
5 127b; and
a tape cassette driver 70 driving the tape cassette
156,
wherein the tape cassette 156 includes a first
rotational shaft 91 rotatably supporting the tape roll 140,
10 a second rotational shaft 92 designed to collect one of
the two sheets 127a and 127b by winding the same in a roll
type, a third rotational shaft 93 designed to collect the
other of the two sheets by winding the same in a roll type,
and a tape ejection roller assembly 95 outwardly ejecting
15 a tape from which the two sheets are removed, and the tape
cassette driver is designed to drive the second and third
rotational shafts.

2. The tape supplier according to claim 1, further
20 comprising idle roller shafts 94a and 94b provided in the
vicinity of the ejection roller assembly 95 to
simultaneously pass through the sheets 127a and 127b and
the tapes 132a, 132b,....

- 25 3. The tape supplier according to claim 1, wherein
the second and third rotational shafts are simultaneously
driven by a timing belt 71.

4. The tape supplier according to claim 1, wherein
the second and third rotational shafts have a rotational
30 speed different from each other.

5. The tape supplier according to claim 1, wherein
the first rotational shaft serves as a clamp shaft.

6. The tape supplier according to claim 1, wherein
one of the second and third rotational shafts, which has a
rotational speed faster than the other, includes torque
5 limiter means.

7. The tape supplier according to claim 6, wherein
the torque limiter means are of resilient arms 115a and
115b.

10

8. The tape supplier according to claim 1, wherein
the ejection roller assembly 95 includes a tape feeding
roller 103, and the tapes 132a, 132b,... are outwardly
ejected by the feeding roller.

15

9. The tape supplier according to any one of claims
1 to 8, wherein the tape roll 140 is fixed to a first fork
pipe 121 having a through hole at the center, ends of the
sheets 127a and 127b are respectively fixed to second and
20 third fork pipes 122 and 123 each having a through hole at
the center, and the first to third fork pipes are fixed
into an external box 130 which is built to allow the first,
second and third fork pipes to be respectively fixed to
the first, second and third rotational shafts through the
25 respective through holes.

10. A refill cartridge for a tape supplier
comprising:

a first fork pipe 121, a second fork pipe 122, and a
30 third fork pipe 123 provided with a through hole at the
center in an external box 130; and

an ejection outlet 125 provided in the external box
130, ejecting tapes 132a, 132b,... inserted between two

sheets 127a and 127b,

wherein a tape roll with the tapes inserted between the sheets is fixed to the first fork pipe, the end of one of the sheets is fixed to the second fork pipe, and the 5 end of the other is fixed to an outer surface of the third fork pipe.

11. The refill cartridge for a tape supplier according to claim 10, wherein the tapes are arranged at 10 constant intervals in a straight line.

12. The refill cartridge for a tape supplier according to claim 10 or 11, wherein either the sheet 127a or the sheet 127b includes a sensing portion 160 that 15 senses ejection of the tapes.

13. The refill cartridge for a tape supplier according to claim 10, further comprising fork pipes 126a and 126b for idle roller shafts provided in the vicinity 20 of the ejection outlet 125 to simultaneously pass through the sheets 127a and 127b and the tapes 132a, 132b,....